

REMARKS/ARGUMENTS

The Examiner is thanked for the courteous telephone interview on June 29, 2005, where the foregoing amendment was discussed. The amendment is the result of a realization that the Examiner had the mistaken belief that claims 1 and 29 required each of the last two steps in those claims, whereas they actually called for only at least one of the listed six steps. This misunderstanding became apparent when the Examiner allowed claims 1 and 29, but not narrower claim 5. Accordingly, claims 1, 5, 7, and 29, all the independent claims, have been amended to clarify the each claim requires either (1) applying a filter to a vector quantizer codebook in the analysis-by-synthesis vector-quantization of the rapidly evolving waveform whereby to add self correlation to the codebook vectors, or (2) using a coder in which a plurality of bits therein are allocated to the rapidly evolving waveform magnitude. In addition, so as to assure there is no longer any confusion, claims 1 and 29 use the disjunctive "or" rather than the conjunctive "and" when referring to the list of steps from which at least one step is chosen.

The rejection of claims 5 and 7 under 35 U.S.C. § 101, on the basis of non-statutory subject matter, is believed to be overcome by the amendments to those claims calling for either (1) applying a filter to a vector quantizer codebook in the analysis-by-synthesis vector-quantization of the rapidly evolving waveform whereby to add self correlation to the codebook vectors or (2) using a coder in which a plurality of bits therein are allocated to the rapidly evolving waveform magnitude. Accordingly, these claims do not simply claim a computer algorithm representing abstract ideas or mathematical algorithms.

No other issues remaining, all the claims should be allowed. A Notice of Allowance is respectfully solicited.

Authorization is hereby made to charge any additional fees required by this paper or credit any overpayment to deposit account No. 50-0337.

A duplicate of this paper is attached.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Robert Berliner', is written over a horizontal line.

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